

SITE ACCESS AND LICENSE AGREEMENT

COPY
ORIGINAL

This Site Access and License Agreement ("License Agreement") dated April 16, 2019 ("Effective Date"), is entered into by and between the Orange County Sanitation District ("OCSD"), the Costa Mesa Sanitary District ("CMSD"), and the City of Costa Mesa ("City"). OCSD, CMSD and City are sometimes hereinafter individually referred to as "Party" and collectively referred to as "Parties."

RECITALS

WHEREAS, OCSD is a duly organized County Sanitation District existing pursuant to the County Sanitation District Act, California Health and Safety Code section 4700, et seq., providing for the ownership, operation, and maintenance of wastewater collection, treatment, and disposal facilities within Orange County, and is responsible for safely collecting, treating, and disposing of wastewater generated by more than 2.5 million people living and working in Orange County; and

WHEREAS, CMSD is a sanitary district that is responsible for residential trash collection and transmittal to a recycling facility for recycling and disposal. The CMSD also provides liquid waste collection and transmission to OCSD facilities for treatment and disposal; and

WHEREAS, City is a municipal corporation that owns certain real property located at 2900 Mendoza Drive, Costa Mesa, CA 92626, in the alley west of Mendoza Drive, north of the flood control channel (hereinafter, the "Property"), and depicted on the site map and project area attached hereto as Exhibit "A"; and

WHEREAS, CMSD owns and operates the Mendoza Pump Station and associated equipment ("Pump Station") located on the Property pursuant to an easement (A.P. No. 141-221-26) authorizing CMSD to operate sewer facilities and perform sewer maintenance on the Property; and

WHEREAS, OCSD previously conducted a demonstration study to evaluate the effectiveness of utilizing hydrogen peroxide added to wastewater to reduce odor and corrosion in wastewater by utilizing the Pump Station; and

WHEREAS, based on the results of this demonstration study, OCSD desires to use the Property and Pump Station as an odor treatment facility, subject to the termination and other rights provided herein; and

WHEREAS, as a reflection of the Parties' shared interest in treating sewage in the interest of the public's health, safety, and welfare, CMSD and City intend to allow OCSD access to the Property and use of the Pump Station, subject to the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the mutual obligations, representations, and promises contained in this License Agreement, OCSD, CMSD, and City hereby agree as

follows:

1. Recitals. The Recitals above are deemed true and correct, are hereby incorporated in this Section as though fully set forth herein, and each Party to this Agreement acknowledges and agrees that they are bound by the same.
2. Site Access. CMSD and City hereby grant OCSD (and its consultants and contractors) a non-exclusive license to enter upon the Property and use the Pump Station for purposes of conducting odor control measures and installing above-ground odor control facilities, described in more detail in Exhibit "B," which is attached hereto and incorporated herein. Odor control facilities will consist of one tank containing ferrous chloride, magnesium hydroxide, calcium nitrate, and/or other chemicals, and a conduit that will transport said chemicals, either as a chemical compound or gas (the odor control measure), to OCSD's downstream sewer lines. OCSD intends for CMSD lines to be used as a transportation conduit only and the conduit will not allow the odor control measure to escape into CMSD lines. CMSD and City agree to cooperate with OCSD, as necessary, to provide access to relevant areas of the Property and Pump Station. OCSD agrees to keep CMSD and City informed of the names of its authorized consultants and contractors, and those persons shall utilize identification by way of uniforms and/or vehicles with signs or logos or other identifying measures when accessing the Property or Pump Station.
3. Site Storage. The Parties agree that odor control treatment at this location may require CMSD to relocate certain CMSD equipment that is currently stored at the Property for the term of this Agreement. Neither City nor OCSD shall be responsible for any costs associated with the relocation and storage of this equipment.
4. Term. This Agreement shall remain in full force and effect until February 28, 2027, unless extended by the Parties by written agreement or unless sooner terminated in writing by the Parties.
5. Termination. Any Party to this Agreement may terminate this Agreement at any time, with or without cause, upon thirty (30) days written notice to the other Parties. OCSD shall remove any equipment or property brought or installed at the Property within 30 days of Termination. At OCSD's sole cost and expense, OCSD shall, to the extent reasonably possible, restore the Property to as close to the same condition as it existed prior to OCSD's activities at the Property.
6. Equipment. By entering into this License Agreement, CMSD and City understand that OCSD may bring onto the Property and install such equipment or machinery as may be reasonably necessary to conduct the intended odor control measures. Should OCSD wish to install any equipment or machinery that is not specifically described in this Agreement or in Exhibit B, OCSD shall provide at least fourteen (14) days' written notice to CMSD and City prior to the installation of any such equipment or machinery. If CMSD or City objects to the installation of any equipment or machinery, CMSD or City shall provide written notice of such

objection to all Parties within seven (7) days of the receipt of OCSD's notice. If CMSD or City objects to the installation of any equipment or machinery, OCSD shall not proceed with the installation until the Parties have agreed upon the installation.

7. Unreasonable Interference and Prior Notice. OCSD's use of the Property shall not interfere with CMSD's or City's operations, the business of its lessees, if any, or cause any nuisance to neighboring properties or persons thereon. OCSD shall give CMSD and City at least two (2) business days' notice prior to entering the Property for regular maintenance, or provide a schedule of regular maintenance that would eliminate the need for additional notice. In the event of an emergency, OCSD will provide CMSD and City with as much notice as possible prior to entering the Property. CMSD and City, as well as any lessees, licensees, or agents of CMSD and City, if any, agree not to prohibit, interfere with, or obstruct such entry or the odor control measures in place at the Property, and not to cause or permit interference or obstruction by others, including CMSD and City employees and agents.
8. Material Data Handling Sheets. OCSD and its contractors and consultants shall provide CMSD and City with a copy of each Safety Data Sheet (SDS) for those chemical substances that may be used at the Property and/or may pose a hazard to CMSD or City employees.
9. Restoring Condition of Property. OCSD agrees to minimize, to the extent practicable, interference with the activities of CMSD's and City's employees, guests, customers, tenants, occupants, and invitees on and to the Property, to maintain its equipment, hazards, and other materials in an orderly manner while they are located on the Property, and to remove all debris, trash, equipment, and other materials used by OCSD immediately upon completion of installation of odor control facilities and/or regular maintenance efforts. Additionally, OCSD agrees to, to the extent feasible, at the completion of each day's work, restore the Property to as close to the same condition as it existed at the commencement of that day. OCSD, at its sole cost, is responsible for soils, water, and/or waste characterization, and the lawful disposal of same.
10. Original Condition of Property. OCSD accepts the Property conditions as they may exist from time to time without any representation or warranty from CMSD or City, and without any duty of CMSD or City to warn of any conditions. Accordingly, OCSD agrees to assume all risks associated with entry and presence on the Property pursuant to Section 16 (Assumption of Risk) of this Agreement.
11. Preparatory Activities. OCSD agrees to assume full responsibility for determining the presence or absence of underground utilities and structures prior to conducting subsurface work at the Property, and to perform all other relevant preparatory work. OCSD also agrees to provide appropriate notification to, and obtain all required permits from, applicable regulatory authorities before conducting work at the Property.

12. Costs. OCSD agrees that any and all work performed at, near, beneath, or related to the odor control facilities at the Property shall be at the sole cost and expense of OCSD. OCSD agrees to keep the Property free and clear of all liens in any way related to the operation of odor control facilities. OCSD agrees to reimburse CMSD and/or City for the actual costs of water, electricity, and other utility services, if any, used by OCSD at the Property.
13. Hazardous/Toxic Materials Use. OCSD shall use the Property in compliance with all, and shall not cause or permit the Property to be in violation of, any federal, state or local environmental, health and/or safety-related laws, regulations, standards, decisions of the courts, permits or permit conditions, currently existing or as amended or adopted in the future which are or become applicable to OCSD or the Property ("Environmental Laws"). OCSD intends to use ferrous chloride, magnesium hydroxide and calcium nitrate ("Dosing Chemicals") at the odor control facilities. Except for these Dosing Chemicals or any other Hazardous Materials expressly approved by CMSD and City in writing, OCSD shall not cause or permit, or allow any of OCSD's contractors or consultants to cause or permit, any Hazardous Materials to be brought upon, stored, used, generated, treated or disposed of on or about the Property. Any Hazardous Materials on the site shall be stored, used, generated and disposed of in accordance with all applicable Environmental Laws. As used herein, "Hazardous Materials" means any chemical, substance or material which is now or becomes in the future listed, defined or regulated in any manner by any Environmental Law based upon, directly or indirectly, its properties or effects.

OCSD shall indemnify, defend (by counsel reasonably acceptable to CMSD and City) and hold harmless CMSD and City, and their respective elected and appointed officials, officers, employees, and agents, from and against any and all loss, liability, claim, damage, cost or expense (including without limitation, any fines, penalties, judgments, litigation expenses, attorneys' fees, and consulting, engineering, and construction fees and expenses) incurred by CMSD and/or City as a result of (a) OCSD's breach of any prohibition or provision of this section, or (b) any release of Hazardous Materials upon or from the Property or contamination of the Property or adjacent property (i) which occurs due to the use of the Property by OCSD or OCSD's contractors or consultants, or (ii) which is made worse due to the act or failure to act of OCSD or OCSD's contractors or consultants.

The foregoing indemnity shall not apply to any claims, or any portion thereof, arising solely from the active negligence or willful misconduct of CMSD or City; shall survive termination of this Agreement; and is in addition to any other rights or remedies which CMSD and City may have under the law or under this Agreement.

In addition, in the event of any release on or contamination of the Property caused by OCSD or its personnel, contractors, or subcontractors, OCSD, at its sole expense, shall promptly take all commercially reasonable actions necessary to clean up the affected property (including the Property and all affected adjacent property -- whether or not owned by CMSD or City) and to return the affected property to the condition existing prior to such release or contamination, to the

satisfaction of CMSD and City and any governmental authorities having jurisdiction thereover; provided however, that if the release or contamination of the Property by any Hazardous Materials stored, used or generated on the site by OCSD or OCSD's personnel, contractors, or consultants was caused, in whole or in part, by the acts of omissions of CMSD or City, their employees, agents, customers, visitors, invitees, licensees or contractors, OCSD shall retain all rights or remedies it may have under the law.

14. Compliance with Laws. OCSD shall comply with all applicable federal, state and local laws, regulations, rules and orders in its work on, or maintenance, inspection, testing or use of, the Property and shall furnish satisfactory evidence of such compliance promptly upon request of CMSD or City. OCSD shall obtain all required permits or licenses required by any governmental authority for its use of the Property, at its sole cost and expense.
15. Insurance. OCSD shall at all times during the term of this License Agreement maintain at its own expense insurance of the types and amounts indicated below, or self-insure. Such insurance shall be in the form and substance satisfactory to CMSD, and City, shall be issued by carriers which are authorized to do business in California, and shall be maintained until the termination of this License Agreement. OCSD shall name CMSD and City, and cause each contractor and subcontractor to name, CMSD and CITY as additional insureds on CMSD's and each contractor's and subcontractor's Comprehensive General Liability insurance policy and automobile liability insurance policy. OCSD may self-insure for the requirements below in lieu of providing insurance. CMSD and City shall not unreasonably withhold approval of insurance or self-insurance provided under this agreement. CMSD and City shall be responsible to collect and maintain insurance from all subcontractors.
 - A. General Liability. \$2,000,000 per occurrence for bodily injury, personal injury, and property damage and \$4,000,000 aggregate for bodily injury, personal injury, and property damage.
 - B. Automobile Liability. \$2,000,000 combined single limit per accident for bodily injury and property damage, including non-owned and hired vehicles.
 - C. Workers' Compensation. Workers' Compensation, in accordance with the Workers' Compensation Act of the State of California for a minimum of \$1,000,000 or such minimum limits as the required by the State, whichever is greater.
16. Assumption of Risk. To the maximum extent allowed by law, OCSD assumes the risk of loss, damage or injury to any person or its property, including the Property, Pumping Station and other property of, or under the sole control or custody of, OCSD, which is used for access, repair, and use the Property or Pumping Station. OCSD's assumption of risk shall include any loss or damage caused solely by defects in the Property or Pumping Station, or accident or fire or other casualty at

the Property or Pumping Station. Notwithstanding the foregoing, this provision shall not apply to any risks, losses, or damages arising from defects or other dangerous conditions of which CMSD and/or City have knowledge and which they fail to disclose to OCSD, or any damages which arise due to the active negligence of CMSD and/or City.

17. Indemnification. OCSD agrees to indemnify and defend CMSD and City and their respective elected and appointed officials, officers, employees, and agents, from any claims or liability arising out of OCSD's odor control measures or other use at the Property and/or Pump Station, including but not limited to claims of pollution from the processes used, claims or liability arising from the work performed by OCSD and its personnel, contractors, and consultants, and claims or liability arising from CMSD's operation of the Pump Station. Notwithstanding the foregoing, OCSD shall not be responsible for the defense or indemnification of CMSD or City for claims or liability arising out of the sole negligence or willful misconduct of CMSD or City or their respective officials, officers, employees, and agents.
18. Limited Access. The Parties agree that OCSD's entry upon the Property shall be limited to the extent reasonably necessary for the performance of odor control measures and the purposes set forth in this License Agreement.
19. Non-Exclusive License. This License Agreement is intended and shall be construed as a non-exclusive license to enter and conduct odor control operations upon the Property, and not as a grant of easement or any other interest in the Property. Except as expressly set forth herein, no other rights are created by this License Agreement.
20. Attorneys' Fees. If any of the Parties is required to engage an attorney or institute an action to enforce or interpret any of the provisions of this License Agreement, the Parties shall bear their own attorneys' fees.
21. Notices. All notices or other communications required or permitted hereunder shall be in writing and shall be personally delivered or sent by registered or certified mail, postage prepaid, return receipt requested, delivered or sent by recognized overnight courier and shall be deemed received upon the earlier of: (i) the date of delivery to the address of the person to receive such notice if delivered personally or by messenger or overnight courier; or (ii) three (3) business days after the date of posting by the United States Post Office if by mail. Notices or other communications shall be addressed as follows:

To District: Orange County Sanitation District
Post Office Box 8127
Fountain Valley, CA 92728-8127
Attention: James D. Herberg, General Manager

To CMSD: Costa Mesa Sanitary District
290 Paularino Avenue
Costa Mesa, CA 92626

Attention: Scott Carroll, General Manager

To City: City of Costa Mesa
77 Fair Drive
Costa Mesa, CA 92626
Attention: Raja Sethuraman, Public Services Director

22. No Third-Party Beneficiaries. This Agreement is entered into by and for OCSD, CMSD, and City, and nothing herein is intended to establish rights or interests in individuals or entities not a party hereto. This License Agreement shall be binding upon the Parties to this License Agreement and their respective successors, representatives, heirs, and assigns. OCSD shall not assign this License Agreement nor any rights hereunder without the prior written consent of CMSD and City, which may be given or withheld in CMSD's and City's sole discretion.
23. Force Majeure. Except for the payment of money, no Party shall be liable for any delays or other non-performance resulting from circumstances or causes beyond its reasonable control, including without limitation, fire or other casualty, acts of God, strike or labor dispute, war or other violence, acts of third-parties, or any law, order, or requirement of any other governmental agency or authority.
24. Governing Law. This Agreement shall be governed by the laws of the State of California.
25. Entire Agreement. This Agreement constitutes the entire understanding and agreement between the Parties and supersedes all previous negotiations and agreements between the Parties pertaining to the subject matter hereof.
26. Waiver. A waiver of a breach of the covenants, conditions or obligations under this Agreement by either Party shall not be construed as a waiver of any succeeding breach of the same or other covenants, conditions or obligations of this Agreement.
27. Amendments. This Agreement may be modified or amended only by a written document executed by the Parties and by persons with authority to execute the same.
28. Assignment. OCSD shall not assign this License Agreement, in whole or in part, without the prior written consent of City and CMSD.
29. Severability. If any term or portion of this Agreement is held to be invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions of this Agreement shall continue in full force and effect.
30. Agreement Execution and Authorization. Each of the undersigned represents and warrants that they are duly authorized to execute and deliver this Agreement and that such execution is binding upon the entity on whose behalf they are executing this Agreement.

IN WITNESS WHEREOF, this License Agreement has been executed in the name of the Orange County Sanitation District by its officers, thereunto duly authorized, the Costa Mesa Sanitary District, and the City of Costa Mesa as of this 16 day of April, 2019.

ORANGE COUNTY SANITATION DISTRICT

By: David John Shawver
David Shawver
Chair, Board of Directors 4/24/19

ATTEST:

Kelly Lore
Kelly Lore
Clerk of the Board

APPROVED AS TO FORM:

Bradley R. Hogan
Bradley R. Hogan
General Counsel

COSTA MESA SANITARY DISTRICT

By: James Ferryman
James Ferryman
President, Board of Directors

ATTEST:

Noelani Middenway
Noelani Middenway
District Clerk

APPROVED AS TO FORM:

Alan Burns
Alan Burns
General Counsel

CITY OF COSTA MESA

By: Katrina Foley
Katrina Foley
Mayor

ATTEST:

Brenda Green
Brenda Green
City Clerk

APPROVED AS TO FORM:

Kimberly Hall Barlow
Kimberly Hall Barlow
City Attorney

EXHIBIT A

(Figures 1-4)

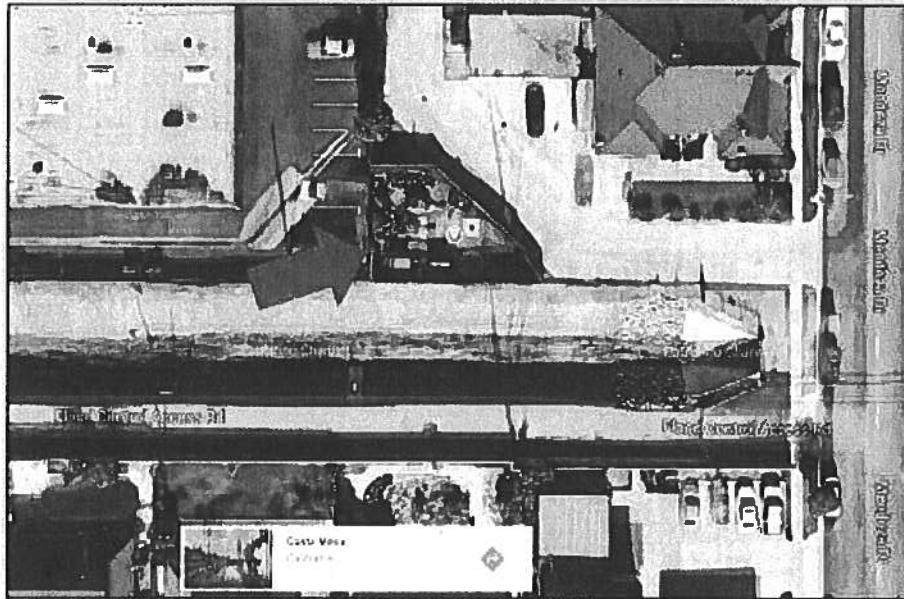


Figure 1: Mendoza Pump Station aerial view



Figure 2: Mendoza Pump Station view from Mendoza Drive



Figure 3: View of Mendoza Pump Station at sidewalk and Flood Control Access Road

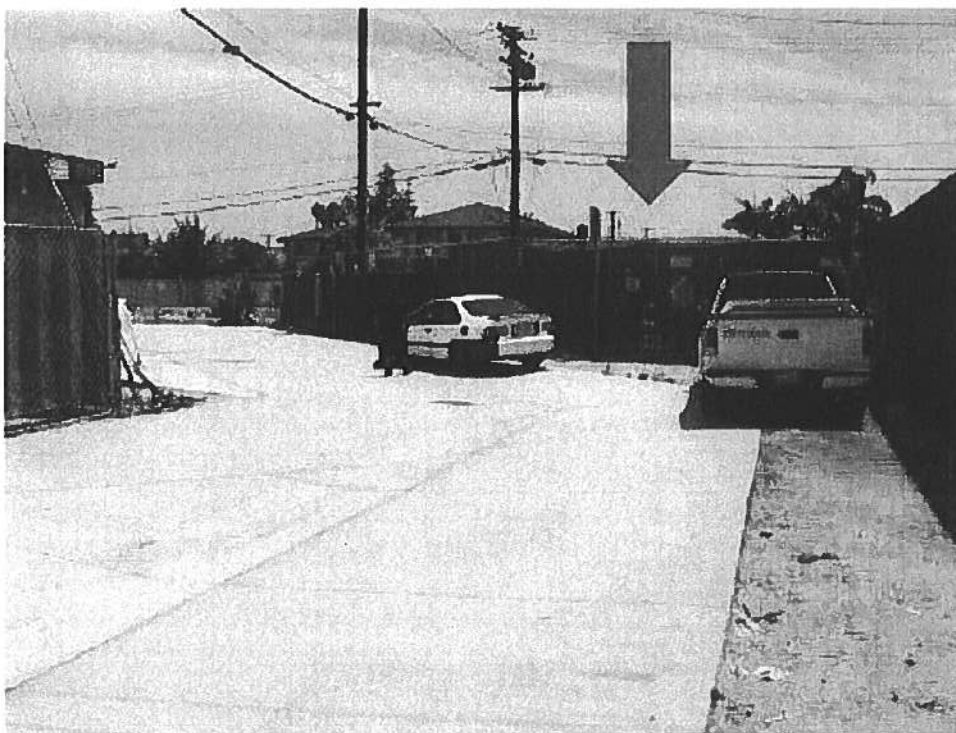
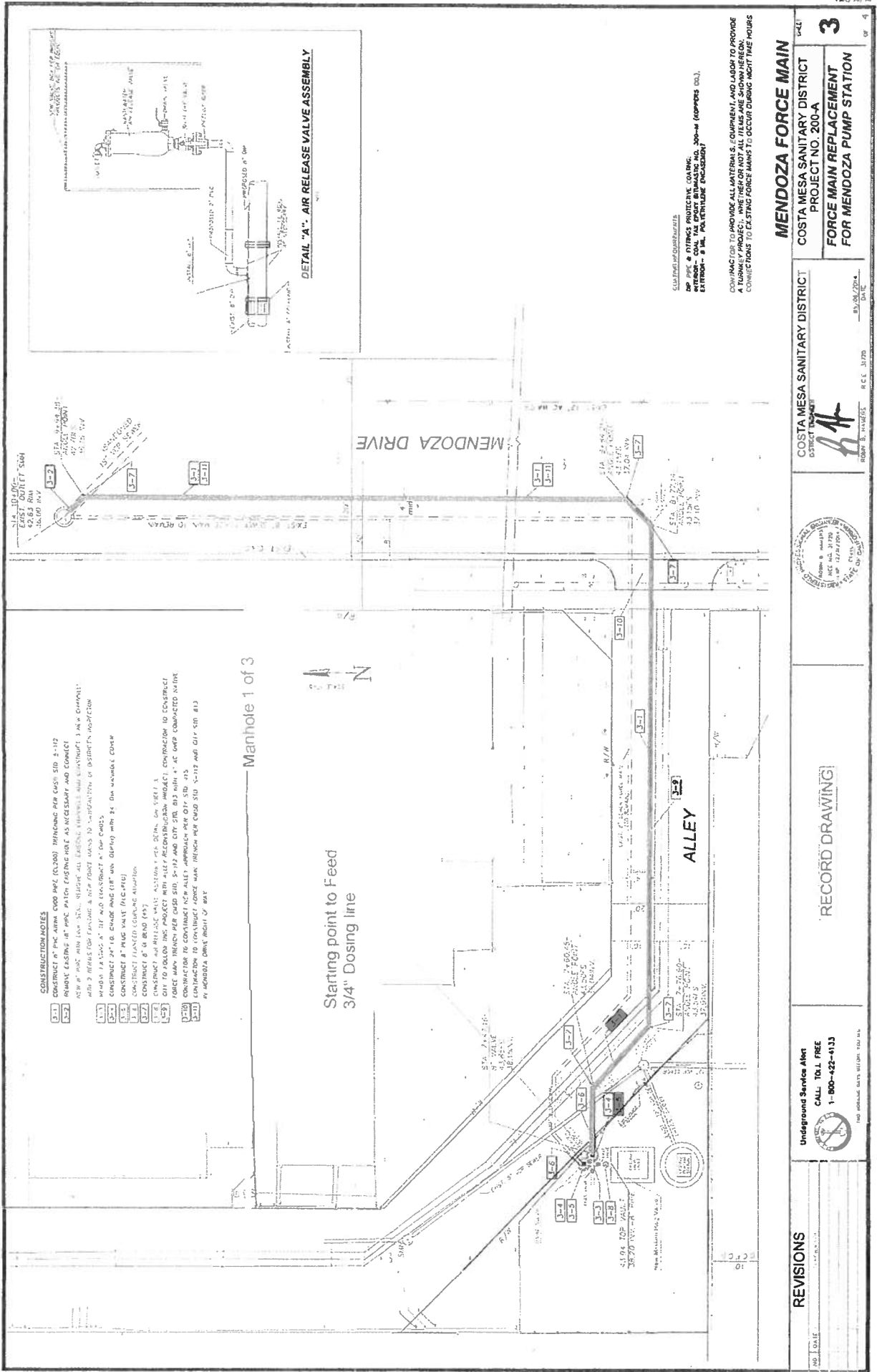


Figure 4: View of Mendoza Pump Station from alley/driveway

EXHIBIT B



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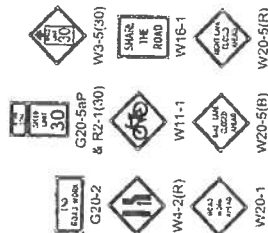
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W/ SIGNFAB - FLASHING
ARROW BOARD

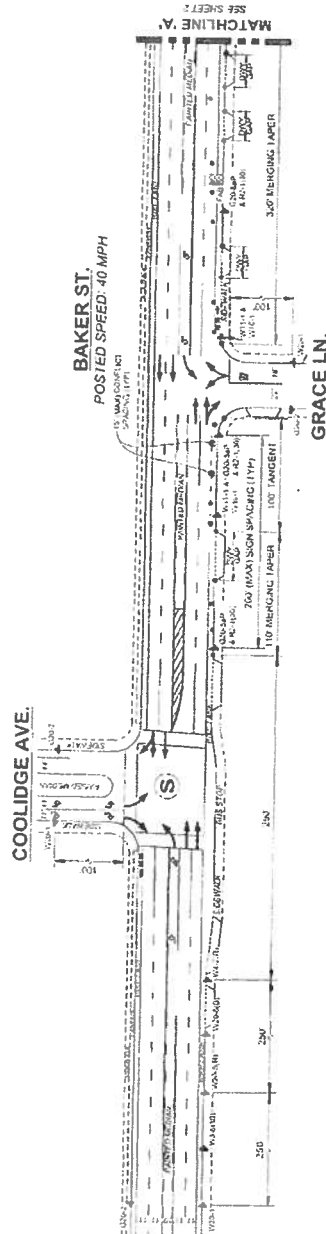
SIGNALIZED INTERSECTION




VICINITY MAP



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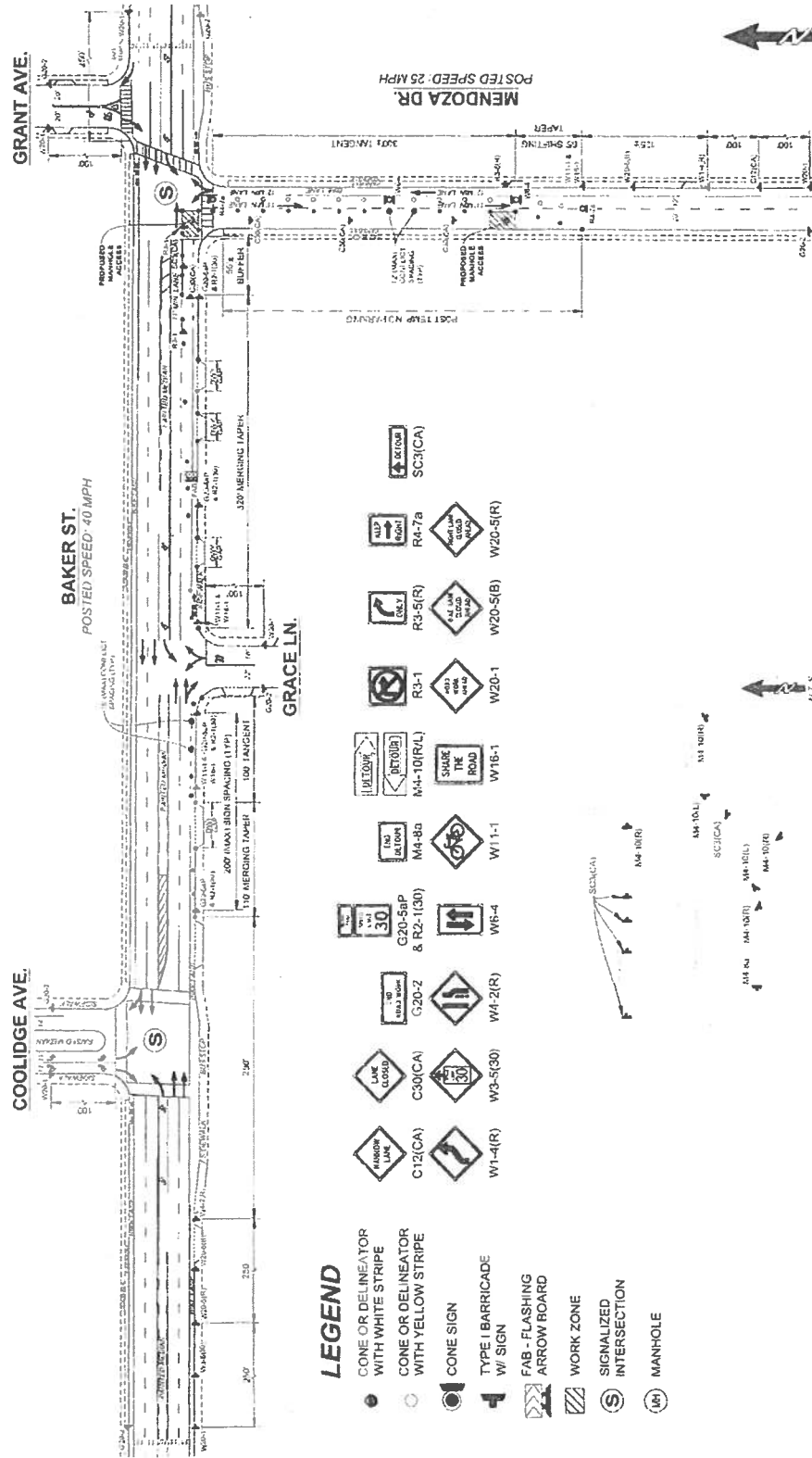


GRAPHIC SCALE
1 inch = 50 feet

A Cone Zone Inc. 1640 Market Street Corona, CA 92880 (951) 734-9535 License #951996		J.R. Filanc Construction Co. Inc. 740 North Androsen Drive Escondido, CA 92029 (626) 391-1484 Contact: Luis Reyes		<div>Drawn</div> <div></div>		City of Costa Mesa TRANSPORTATION SERVICES DIVISION NOT TO SCALE BY		COVER SHEET & TRAFFIC CONTROL PLAN		DATE: 11/11/01	
CONTRACTOR		OWNER		DESIGNER		CITY		PROJECT NO.		SHEET NO.	
1 of 4		1 of 4		1 of 4		1 of 4		1 of 4		1 of 4	

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BAKER ST. RIGHT LANE CLOSURE AND MENDOZA AVE. SHIFTING SETUP

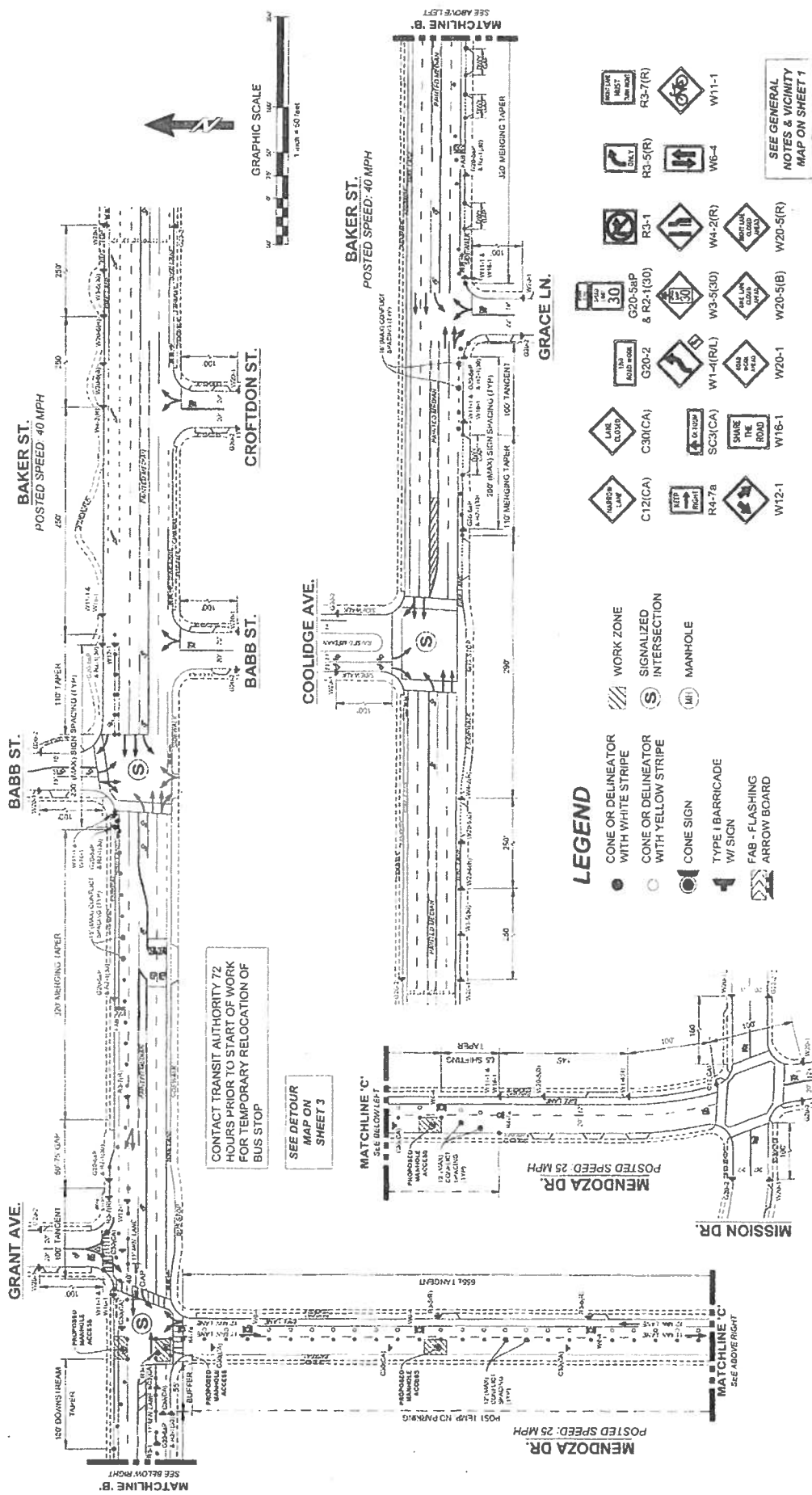



SEE GENERAL
NOTES & VICINITY
MAP ON SHEET 1

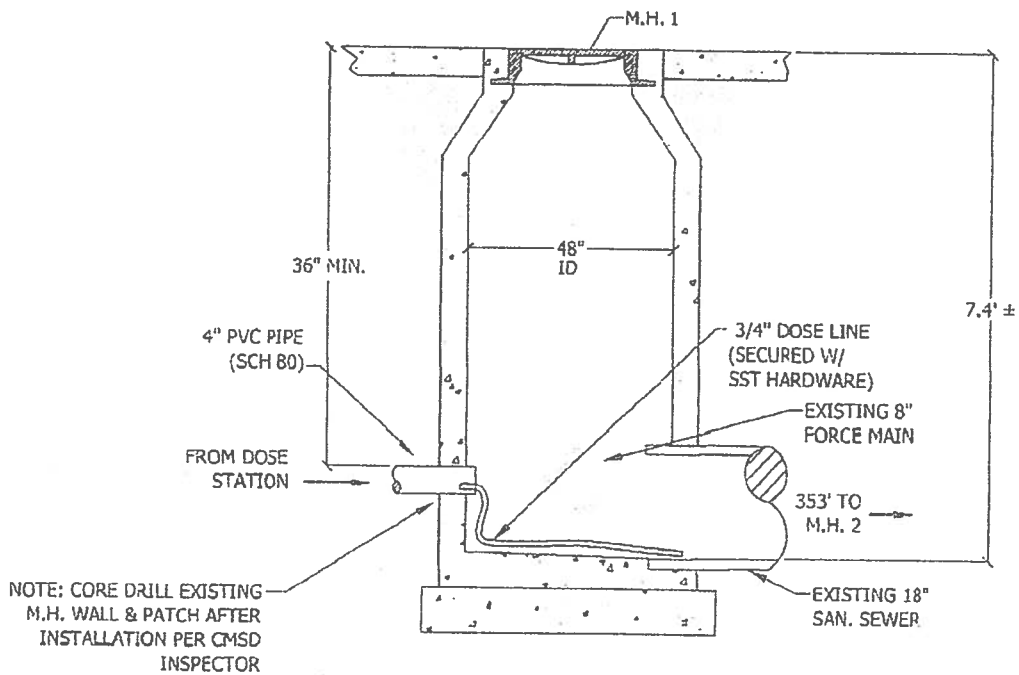
DETOUR MAP

Prepared By A Cone Zone Inc. 1640 Market Street Corona, CA 92680 (951) 734-9535 License #851956	Consultant J.R. Filanc Construction Co. Inc. 740 North Andressen Drive Escondido, CA 92029 (626) 391-1484 Contact: Luis Reyes	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10/1/2018</td> <td>ISSUED FOR PERMIT</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	10/1/2018	ISSUED FOR PERMIT	CITY OF COSTA MESA TRANSPORTATION SERVICES DIVISION REVIEWED BY: _____ DATE: _____	Traffic Control Plan Manhole Access Baker St. & Mendoza Ave.	PROJECT NO. 18-001
			NO.	DATE	DESCRIPTION						
1	10/1/2018	ISSUED FOR PERMIT									
SHEET NO. 3 of 4											

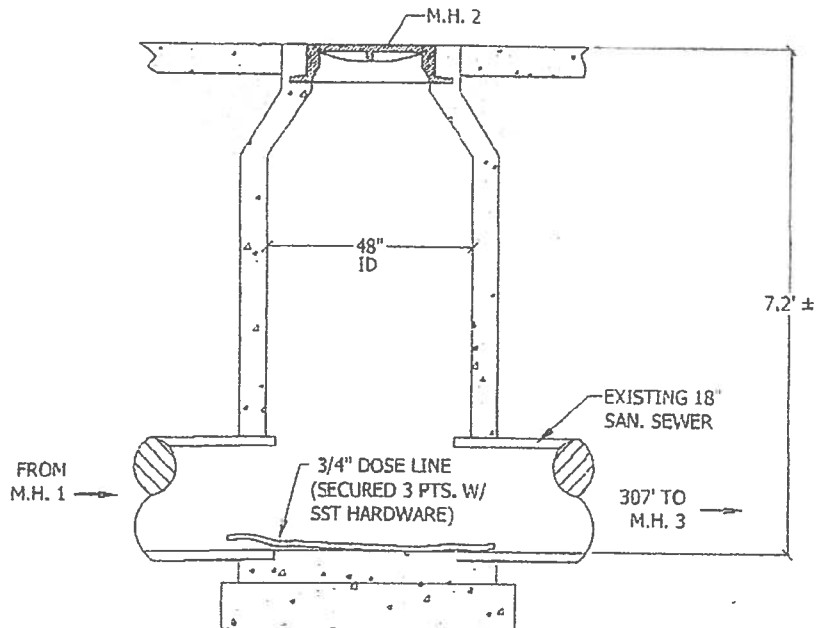
BAKER ST. LEFT AND RIGHT LANE CLOSURE AND MENDOZA AVE. SHIFTING SETUP



Prepared By	Contractor	A Cone Zone Inc. 1640 Market Street Corona, CA 92880 (951) 734-8535 License #851996	Stamp		REVISIONS	CITY OF COSTA MESA		Traffic Control Plan	Manhole Access	4 of 4
						TRANSPORTATION SERVICES DIVISION				
						NO. 1	DATE 05/14/2018			
						NO. 2	DATE			
						NO. 3	DATE			
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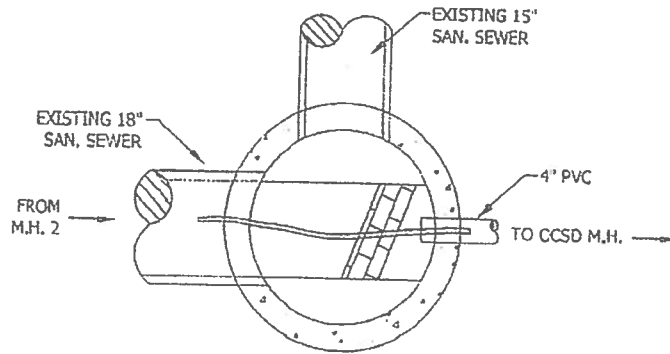
SECTION D - D'
EXISTING CMSD M.H. @ STA. 7+01



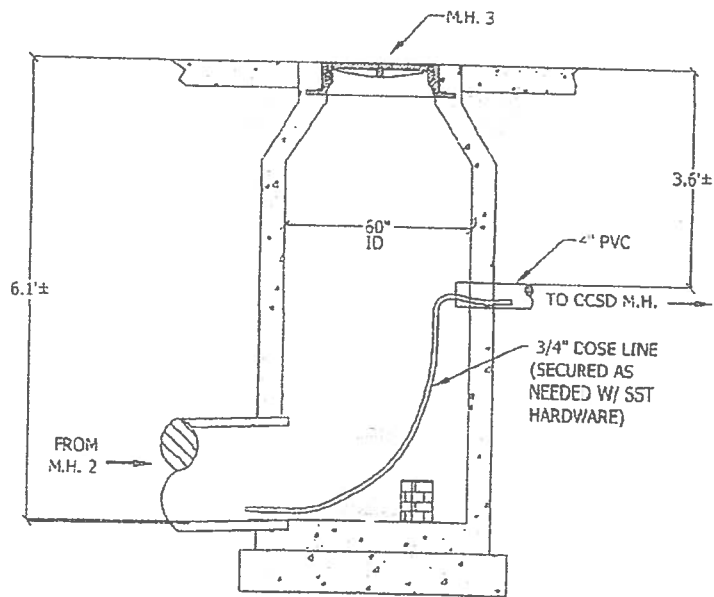
SECTION E - E'
EXISTING CMSD M.H. @ STA. 3+50

NOTES:

1. NOT TO SCALE
2. MANHOLES SHOWN FOR CONCEPTUAL PURPOSES ONLY, NOT DRAWN TO SCALE
3. DOSE LINE REMOVABLE FOR SEWER MAINTENANCE, IF NEEDED



PLAN VIEW

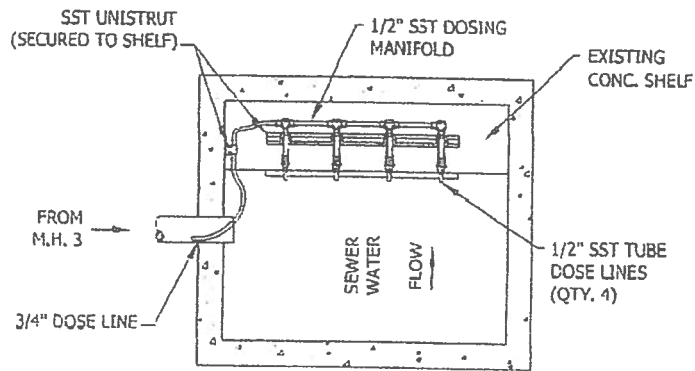


CROSS-SECTION VIEW

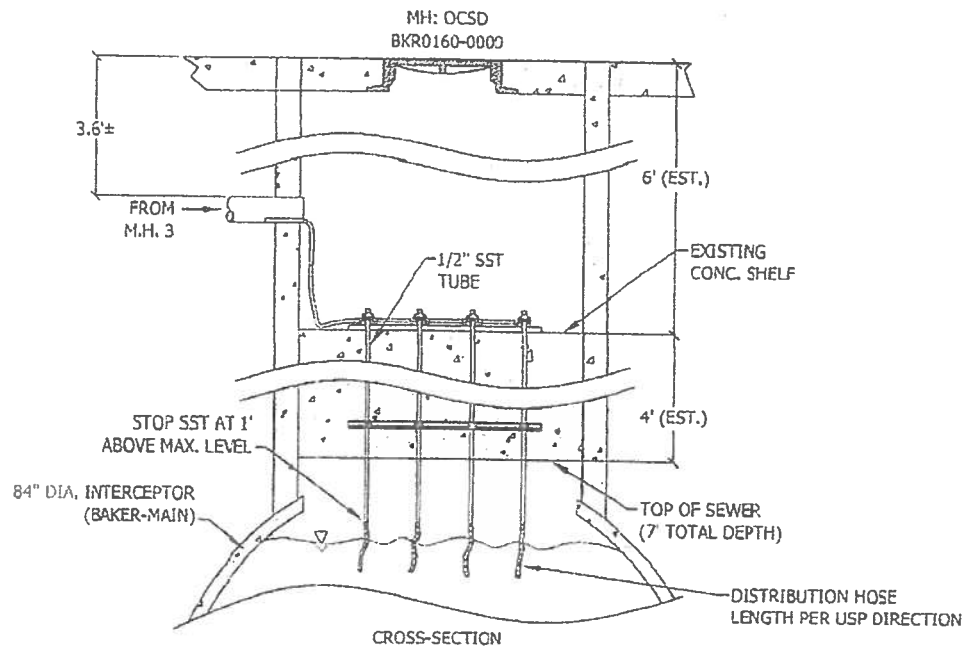
SECTION F - F'
EXISTING CMSD M.H. @ STA. 167+47

NOTES:

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PLAN VIEW

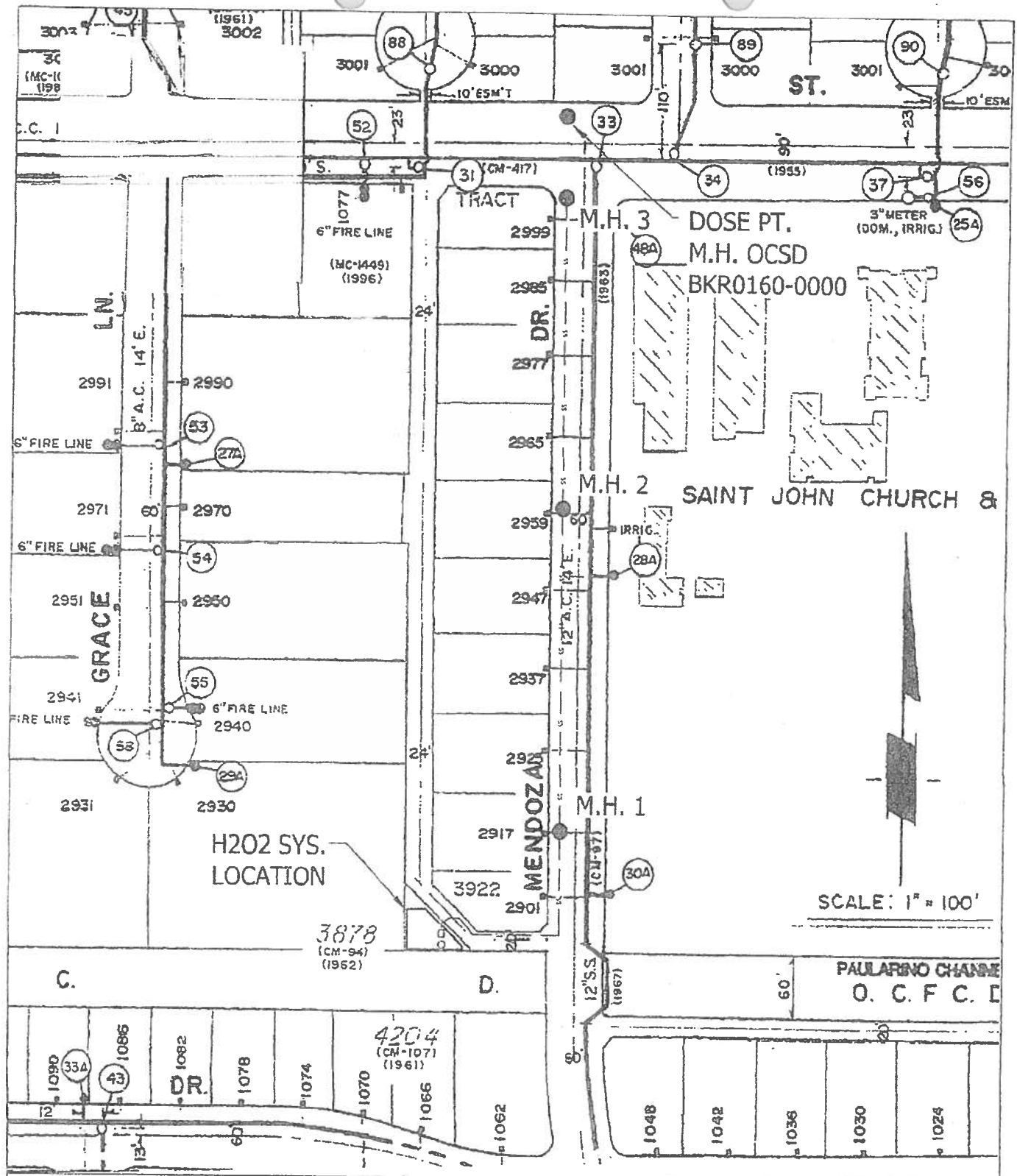


SECTION G - G'

EXISTING OCSD M.H. BKR0160-0000

NOTES:

1. NOT TO SCALE
2. MANHOLES SHOWN FOR CONCEPTUAL PURPOSES ONLY, NOT DRAWN TO SCALE
3. DOSE LINE REMOVABLE FOR SEWER MAINTENANCE, IF NEEDED



NOTES:

1. NOT TO SCALE
2. MAP PROVIDED BY OCSD
3. LOCATION OF MANHOLES APPROXIMATE, CONTRACTOR TO FIELD VERIFY



FIRM NAME AND ADDRESS
HILL BROTHERS CHEMICAL COMPANY
ENGINEERING DEPARTMENT
15017 E. CLARK AVE.
CITY OF INDUSTRY, CA. 91745
PHONE: (626) 333-7308

PROJECT NAME AND ADDRESS
FERROUS DOSING SYSTEM
MENDOCUA PUMP STATION
COSTA MESA, CALIFORNIA
92626

DWG. TITLE
MENDOCUA PLOT PLAN

DRAWN BY:
Ruben Sosa

DATE
10-05-2016

CHECKED BY:
(only Garco)

DATE
10-05-2016

REVISED:
REV - 08-07-2018

47' TO OCSD TRUNK
EXISTING 4" PIPE AT 36" DEPTH

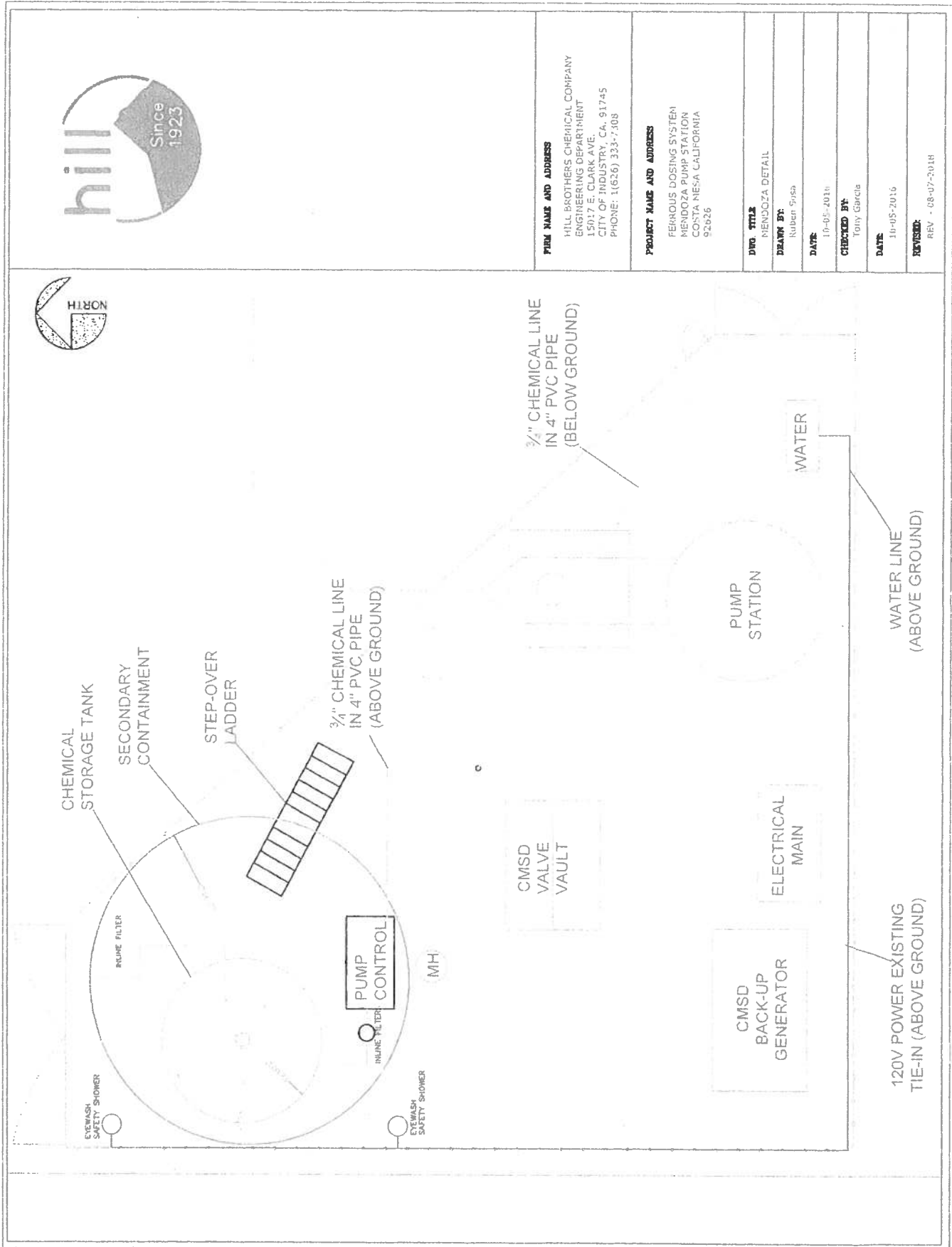
105' TO M.H. 1
353' TO M.H. 2
307' TO M.H. 3

2" FLEX HOSE
(IN EXISTING 18" SS)

FORCED MAIN

2" FLEX HOSE
(IN EXISTING TRENCH INSIDE 3" PVC PIPE)

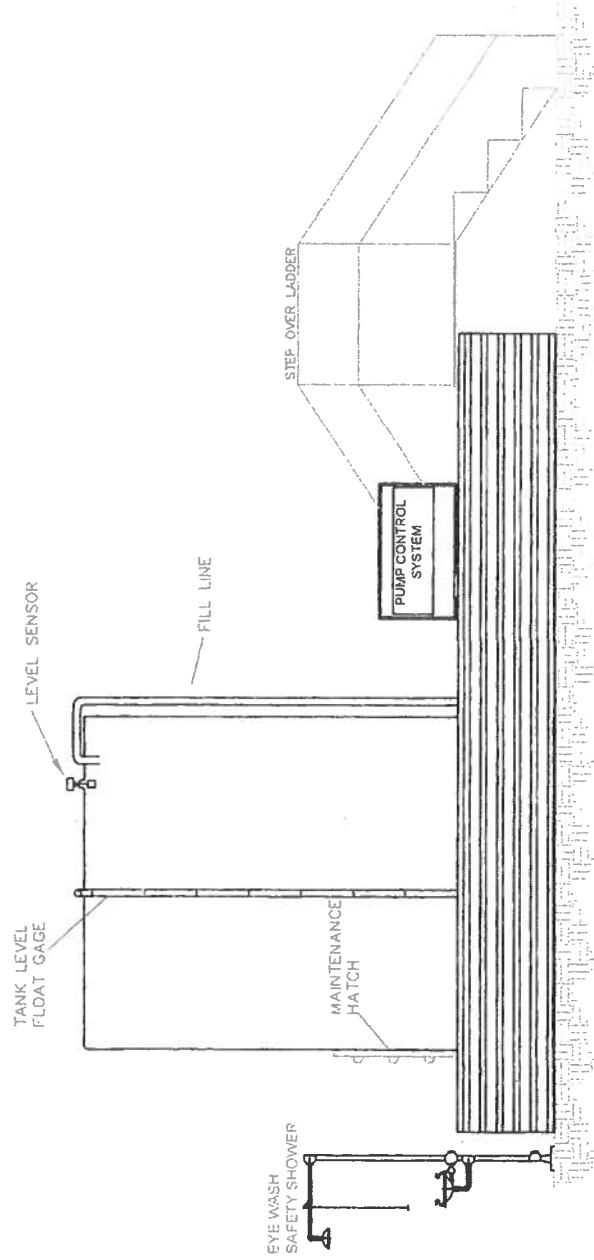
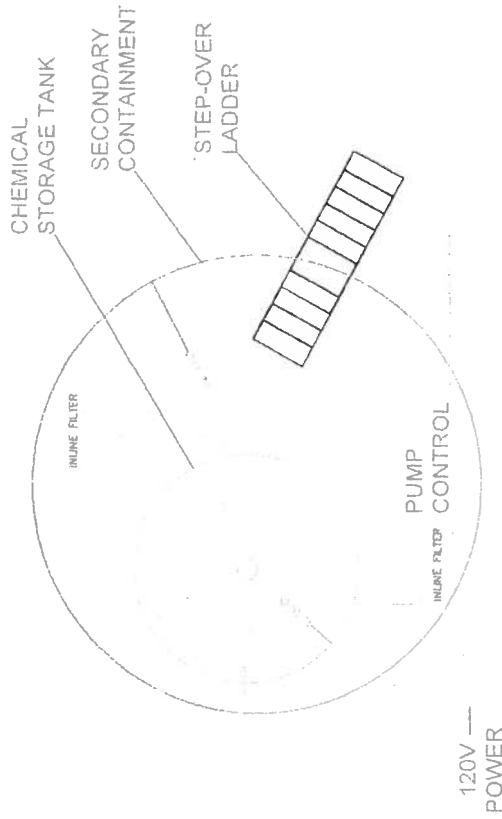
NOTE:
NOT TO SCALE



FIRM NAME AND ADDRESS
HILL BROTHERS CHEMICAL COMPANY
ENGINEERING DEPARTMENT
15017 E. CLARK AVE.
CITY OF INDUSTRY, CA. 91745
PHONE: (626) 333-7308

PROJECT NAME AND ADDRESS
FERROUS DOSING SYSTEM
MENDOZA PUMP STATION
COSTA MESA CALIFORNIA
92626

DWG. TITLE	MENDOZA DETAIL
DRAWN BY	Kubert S/20
DATE	10-05-2016
CHECKED BY	Tony Garcia
DATE	10-05-2016
REVISED	REV - 08-07-2016



SECONDARY CONTAINMENT
25' X 45' HIGH CORRUGATED STEEL
10650 NOMINAL GALLON
20 MIL PE LINER

TANK
Vertical Cylindrical Sec. Flat Top,
Simple Weld Tank
8460 NOMINAL GALLON TANK
12' INSIDE DIAMETER
10' STRAIGHT SIDE

PUMP CONTROL
SYSTEM
DUAL 1 HP PUMP
SYSTEM
ROLLTOP BIN
67.5" W X 41.25" D X 74" H

NOTE
NOT TO SCALE

FIRM NAME AND ADDRESS
HILL BROTHERS CHEMICAL COMPANY
ENGINEERING DEPARTMENT
15017 E. CLARK AVE.
CITY OF INDUSTRY, CA. 91745
PHONE: (626) 333-7308

PROJECT NAME AND ADDRESS
FERROUS DOSING SYSTEM
MENDOZA PUMP STATION
COSTA MESA CALIFORNIA
92636

DATE
MENDOZA ELEVATION
10/05/2016

DRAWN BY
T. Garcia

CHECKED BY
T. Garcia

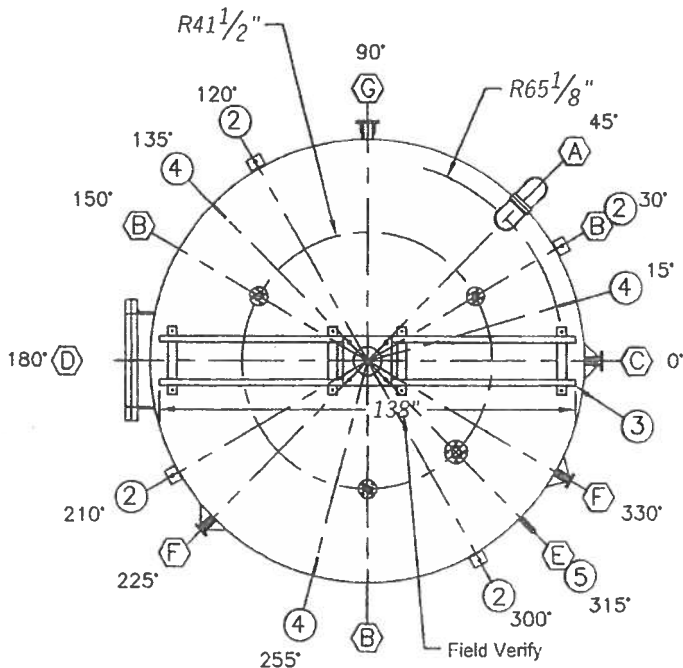
DATE
10-05-2016

REVISIONS
REV - 08-07-2018

TANK FITTING SCHEDULE

ITEM	DIA.	REQD.	DESCRIPTION	SERVICE
A	6"	1	GOOSENECK	VENT
B	2"	3	150# FLANGE	LEVEL SENSOR
C	2"	1	150# FLANGE	SIPHON DRAIN
D	30"	1	150# FLANGE	SIDE MANWAY
E	3"	1	150# FLANGE	FILL
F	1"	2	150# FLANGE	-
G	3"	1	150# FLANGE	OVERFLOW
1	-	2	EPOXY COATED STEEL	LIFTING LUGS
2	-	4	EPOXY COATED STEEL	HOLD DOWN LUGS
3	-	1	EPOXY COATED STEEL	MIXER BRIDGE
4	-	3	6" WIDE FRP	BAFFLES
5	-	2	UNISTRUT	PIPE SUPPORT

EQUIPMENT DESIGNATION		DESIGN INFORMATION	
FERROCUS CHLORIDE TANK		TEMP	25 TO 125 °F
CUSTOMER		PRESS	ATMOS.
HILL BROTHERS		WIND	0 MPH
MANUFACTURING INFORMATION		SEISMIC ZONE	1.5
CUSTOMER P.C. NO.	-	RESIN SYSTEM	DEKANE MOMENTUM 611-350
JCS NO.	-	BARRIER	100 ML #BFC-DMA
DATE OF MFG.	2018	STRUCT	REINCHOLD DIGN 6630-23
TANK CAPACITY	10,000 GAL		
TANK SERIES	32% FERROUS CHLORIDE		

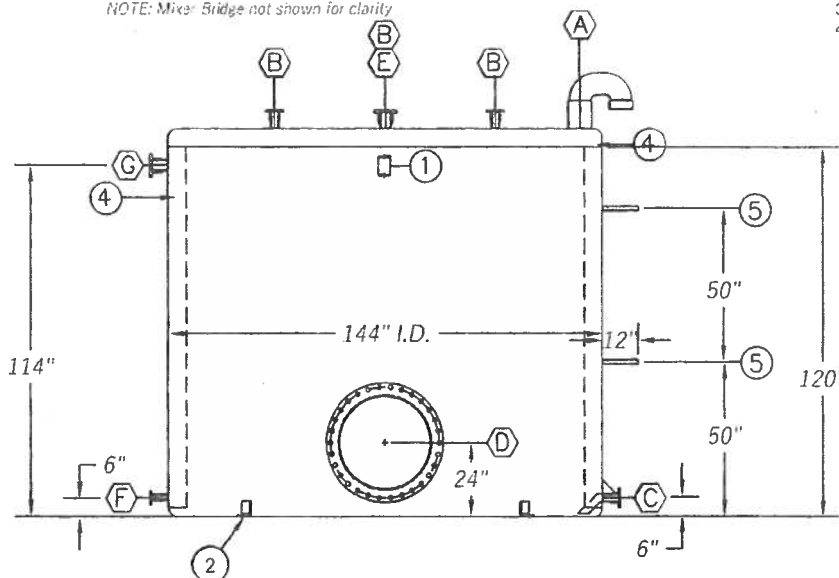


270°
PLAN VIEW

NOTES:

- 1.) Tank is to have a 24 hour Hydrotest.
- 2.) Tank is to have a premium UV resistant exterior Brown color top coat.
- 3.) Tank top will have a Non-Skid surface.
- 4.) Lifting Lugs will be placed by the Tank fabricator so as to prevent Nozzle damage during shipping.

NOTE: Mixer Bridge not shown for clarity



ELEVATION VIEW

See Notes 1-4 for Orientation

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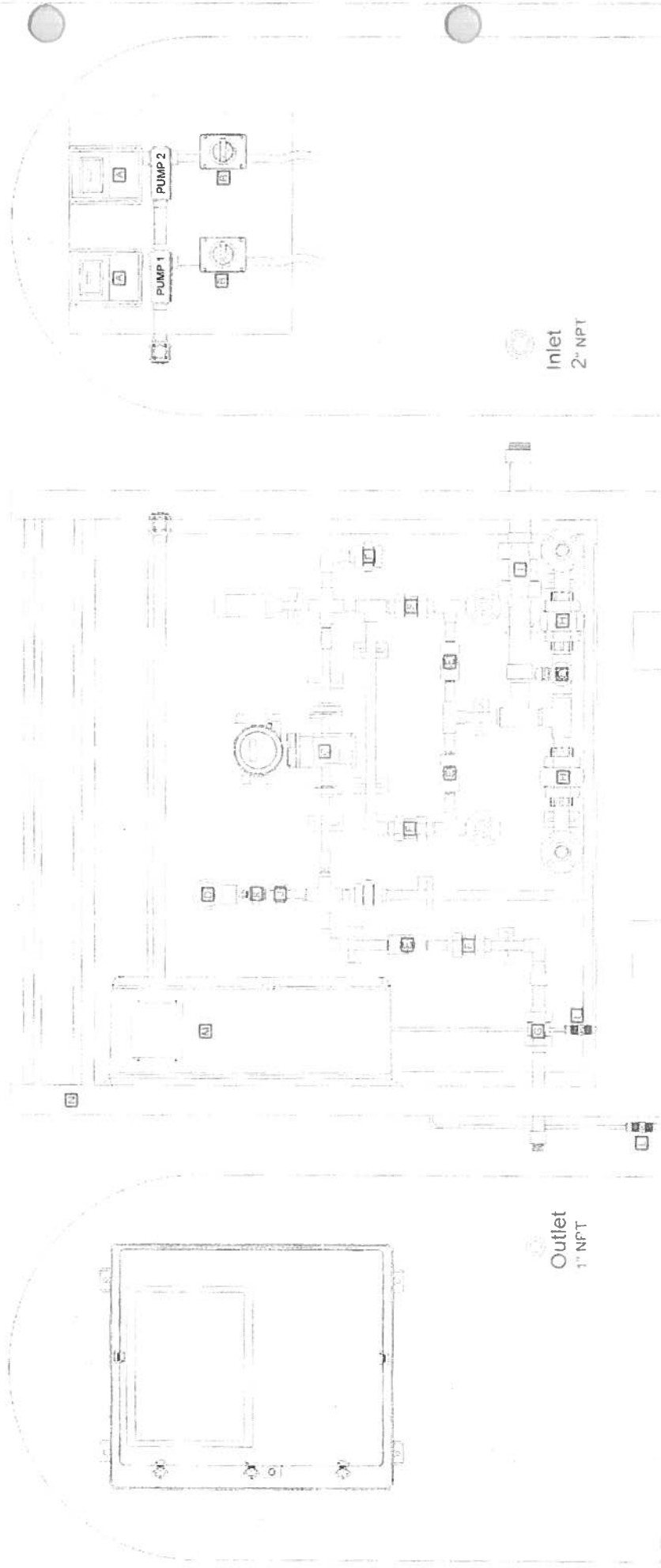
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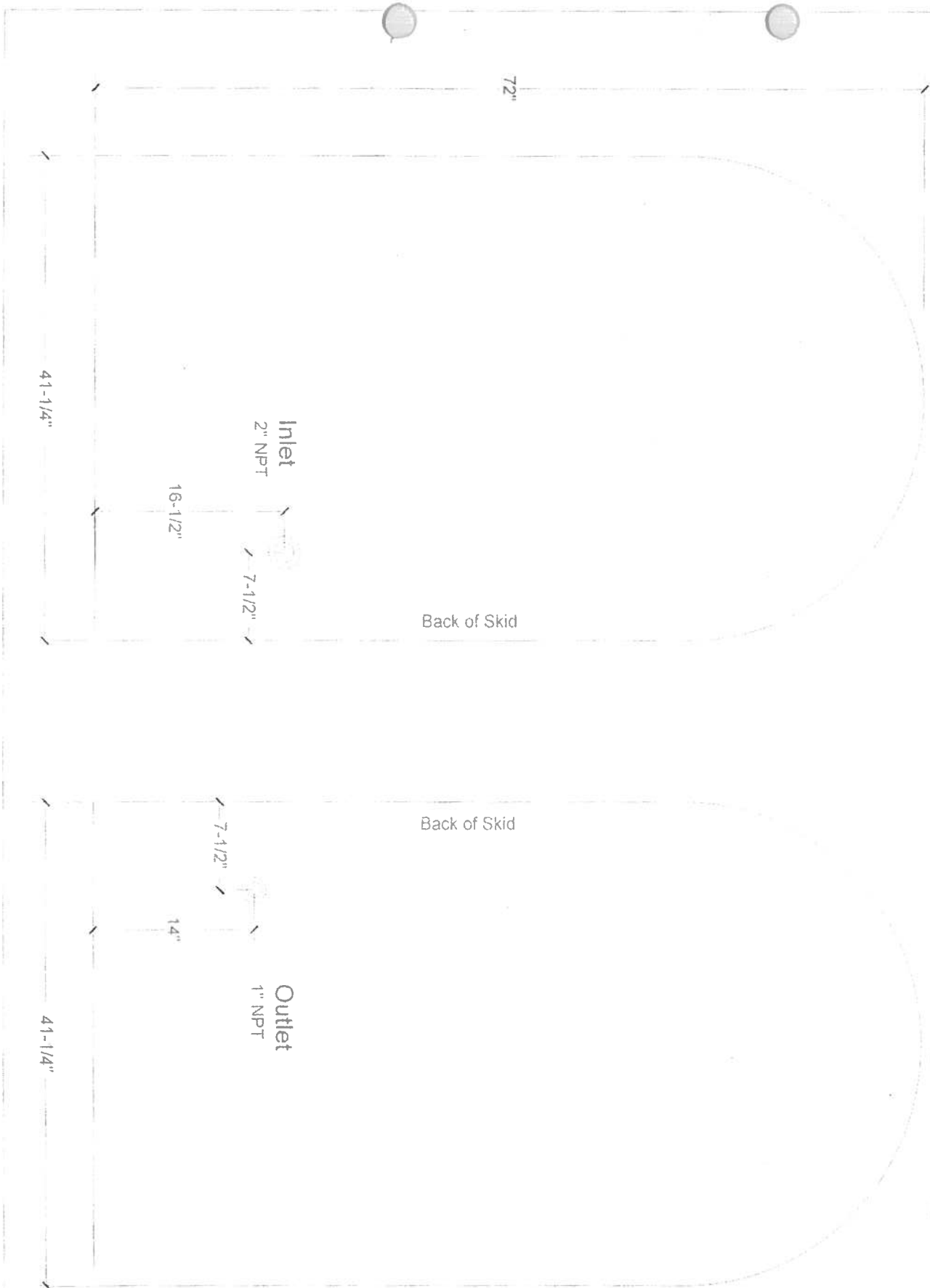
Hill Brothers 12ft Tank


SCALE NONE	DATE April 12, 2018
JOB No MASTER	DRAWN FDB Computer Drafting Service
COMP FILE MASTER	VIEW ELEVATION/PLAN

Item	BILL OF MATERIALS	Qty
A	ESV251NIN-SVC VFD	2
B	SEM32BUL-25 amp disconnect	2
C	50P15-ELIA-1408AAK Flow Meter	1
D	PIR151-A021JDTMGRLJA Preaks X-mas	1
E	PVDM075EP-PV Pressure Relief	3
F	780753T PVC Ball Valve	5
G	7811093T PVC Ball Valve	1
H	7811233T PVC Ball Valve	2
I	7812003T PVC Ball Valve	1
J	786503T PVC Ball Valve	1
K	GDX090 Gauge Guard	1
L	1010-1408 Onco Lock Detector	1
M	Control Cabinet	2
N	PA1651 Ball Top Head Cover Spig Pallet	1
O	FNU41-ANB244 Ultrasonic Level Gauge	1
P		
Q		
R		



Hill Brothers Chemical		Ferrous Chloride Skid	
Approved By:	1903 ESSEX COURT REDLANDS, CA 90373 (909) 407-2235 (909) 407-2345 fax	Drawn By:	Scale: 1" = 1'
Drawn By:		Rev. 4	Date: 09/16/2019
Rev. 4		Rev. 5	



 <p>1963 ESSEX COURT REDLANDS, CA 92373 (909) 307-2295 (909) 307-2395 fax</p>	Hill Brothers Chemical		Ferrous Chloride Skid	
	Approved By:	Orig.	Date: 08/16/2018	
	Drawing I.D.	Rev. a		
	Scale: 1' = 1'	Drawn By:	Rev. b	

